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(71)Applicant : SANYO ELECTRIC CO LTD

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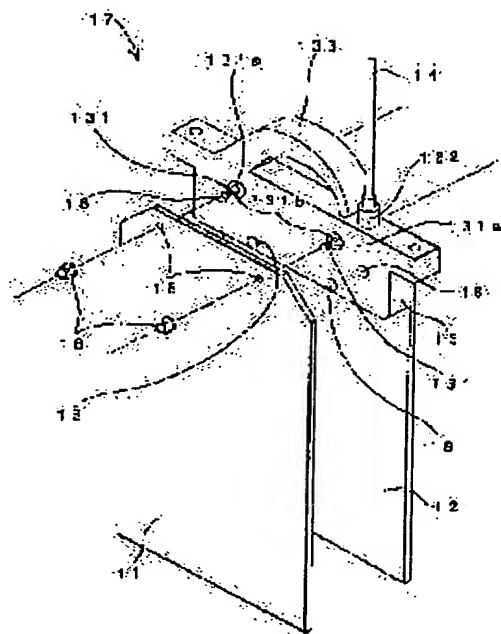
(72)Inventor : FUKUMOTO AKIHIRO

(54) ELECTRODE UNIT FOR WATER TREATMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an electrode unit for water treatment eliminating necessity for preforming a screw hole in an electrode plate, capable of simply positioning electrodes when the electrodes are attached to a predetermined member, capable preventing fear such that the member connected to a terminal is cut and capable of preventing forgetting to connect the terminal.

SOLUTION: The electrode unit 17 for water treatment is equipped with one set of iron electrodes 11, 12 and one electrode holder 13. The electrode holder 13 is equipped with steel bolt parts 131 provided to both front and rear side walls in a protruded state and one terminal part 132 electrically connecting the bolt parts 131 and a DC power supply through one lead wire 14. The upper edge parts of the electrodes 11, 12 are attached to the bolt parts 131 of the electrode holder 13 by attaching holes 15 and tightened by steel cap nuts 16 to form the electrode unit 17.



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2002-143924/19 D15 J03 SAOL 2000.05.02
SANYO ELECTRIC CO LTD *JP 2001310188-A
2000.05.02 2000-133713(+2000JP-133713) (2001.11.06) C02F 1/463,
1/465, 1/58, C25B 9/02, 11/02
Electrode unit for water treatment, uses bolts and nuts for fixing
electrodes through holes formed in electrodes and passing electric
current supplied from direct current power source
C2002-045048

NOVELTY

Electrodes (11, 12) hung from an electrode holder (13) connected
a direct current power source, emit iron or aluminum ions for
removing phosphorous acid content in water by electrolysis. A pair of
bolts (131) connected to the power supply, are inserted in holes (15)
formed in each electrode and fastened by nuts (16) for fixing the
electrodes.

USE

For holding electrodes used for performing water treatment by
electrolysis process for purifying waste water such as human waste
water and life waste water, etc., for removing the under water
phosphoric acid content.

D(4-A1M, 4-B7B, 4-B10) J(3-B1)

ADVANTAGE

The positioning of an electrode plate can be performed simply
without taking time for forming a screw hole in the electrode plate,
since bolts and nuts are used for fixing the electrodes to an electrode
holder with nuts. The disconnection of electric connection terminal or
connection forgetfulness can be prevented, since the bolts perform the
function of connecting the electrodes to an electric power supply apart
from holding them.

DESCRIPTION OF DRAWING

The figure shows an isometric view of the electrode unit for water
treatment in dismantled condition.

Electrodes 11, 12
Electrode holder 13
Holes 15
Nuts 16
Bolts 131

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